



NATIONAL EMS DATA ELEMENTS: Accessibility and Scope
NHTSA Uniform Pre-Hospital EMS Dataset
NEMSIS Version 3 EMS Data Cube

The NEMSIS v3 Mandatory and Required National Data Elements are listed below.
 These elements are required for every EMS activation (ePCR) submitted to the national EMS data repository.

Color Key	Recurrence	NOT Values ¹
National Elements highlighted in green are the data elements available to the public in the NEMSIS EMS Data Cube.	Indicates if the data element can have more than one value or attribute to describe it.	Used to document that a data element was not applicable, was not or could not be completed.
National Elements highlighted in yellow are restricted to authorized state data managers.	1:1 = Only one value permitted.	Yes = NOT values allowed. <i>(This is Required Element.)</i>
National Elements highlighted in pink are public information but not currently available in the EMS Data Cube. ²	1:M = Select all values that apply (M=Many).	No = Field must contain a real value. <i>(This is a Mandatory Element.)</i>
Demographic (Agency) Dataset		
dAgency	Recurrence	NOT Values
dAgency.01 - EMS Agency Unique State ID	1:1	No
dAgency.02 - EMS Agency Number	1:1	No
dAgency.04 - EMS Agency State	1:1	No
dAgency.05 - EMS Agency Service Area States	1:1	No
dAgency.06 - EMS Agency Service Area County(ies)	1:M	No
dAgency.07 - EMS Agency Census Tracts	1:M	Yes
dAgency.08 - EMS Agency Service Area ZIP Codes	1:M	Yes
dAgency.09 - Primary Type of Service	1:1	No
dAgency.11 - Level of Service	1:1	No
dAgency.12 - Organization Status	1:1	No
dAgency.13 - Organizational Type	1:1	No
dAgency.14 - EMS Agency Organizational Tax Status	1:1	No
dAgency.15 - Statistical Calendar Year	1:1	No
dAgency.16 - Total Primary Service Area Size	1:1	Yes
dAgency.17 - Total Service Area Population	1:1	Yes
dAgency.18 - 911 EMS Call Center Volume per Year	1:1	Yes
dAgency.19 - EMS Dispatch Volume per Year	1:1	Yes
dAgency.20 - EMS Patient Transport Volume per Year	1:1	Yes
dAgency.21 - EMS Patient Contact Volume per Year	1:1	Yes
dAgency.25 - National Provider Identifier	1:M	Yes
dAgency.26 - Fire Department ID Number	1:M	Yes
dConfiguration	Recurrence	NOT Values
dConfiguration.01 - State Associated with the Certification/Licensure Levels	1:1	No
dConfiguration.02 - State Certification/Licensure Levels	1:M	No
dConfiguration.03 - Procedures Permitted by the State	1:M	Yes
dConfiguration.04 - Medications Permitted by the State	1:M	Yes
dConfiguration.05 - Protocols Permitted by the State	1:M	Yes
dConfiguration.06 - EMS Certification Levels Permitted to Perform Each Procedure	1:1	No
dConfiguration.07 - EMS Agency Procedures	1:M	No
dConfiguration.08 - EMS Certification Levels Permitted to Administer Each Medication	1:1	No
dConfiguration.09 - EMS Agency Medications	1:M	No
dConfiguration.10 - EMS Agency Protocols	1:M	No
dConfiguration.11 - EMS Agency Specialty Service Capability	1:M	No
dConfiguration.13 - Emergency Medical Dispatch (EMD) Provided to EMS Agency Service	1:1	No
dConfiguration.15 - Patient Monitoring Capability(ies)	1:M	No
dConfiguration.16 - Crew Call Sign	1:M	No

EMS (Event) Dataset		
eArrest	Recurrence	NOT Values
eArrest.01 - Cardiac Arrest	1:1	Yes
eArrest.02 - Cardiac Arrest Etiology	1:1	Yes
eArrest.03 - Resuscitation Attempted By EMS	1:M	Yes
eArrest.04 - Arrest Witnessed By	1:M	Yes
eArrest.05 - CPR Care Provided Prior to EMS Arrival	1:1	Yes
eArrest.07 - AED Use Prior to EMS Arrival	1:1	Yes
eArrest.09 - Type of CPR Provided	1:M	Yes
eArrest.11 - First Monitored Arrest Rhythm of the Patient	1:1	Yes
eArrest.12 - Any Return of Spontaneous Circulation	1:M	Yes
eArrest.14 - Date/Time of Cardiac Arrest	1:1	Yes
eArrest.16 - Reason CPR/Resuscitation Discontinued	1:1	Yes
eArrest.17 - Cardiac Rhythm on Arrival at Destination	1:M	Yes
eArrest.18 - End of EMS Cardiac Arrest Event	1:1	Yes
eDispatch	Recurrence	NOT Values
eDispatch.01 - Complaint Reported by Dispatch	1:1	No
eDispatch.02 - EMD Performed	1:1	Yes
eDisposition	Recurrence	NOT Values
eDisposition.05 - Destination State	1:1	Yes
eDisposition.06 - Destination County	1:1	Yes
eDisposition.07 - Destination ZIP Code	1:1	Yes
eDisposition.12 - Incident/Patient Disposition	1:1	No
eDisposition.16 - EMS Transport Method	1:1	Yes
eDisposition.17 - Transport Mode from Scene	1:1	Yes
eDisposition.18 - Additional Transport Mode Descriptors	1:M	Yes
eDisposition.19 - Final Patient Acuity	1:1	Yes
eDisposition.20 - Reason for Choosing Destination	1:M	Yes
eDisposition.21 - Type of Destination	1:1	Yes
eDisposition.22 - Hospital In-Patient Destination	1:1	Yes
eDisposition.23 - Hospital Capability	1:1	Yes
eDisposition.24 - Destination Team Pre-Arrival Alert or Activation	1:1	Yes
eDisposition.25 - Date/Time of Destination Prearrival Alert or Activation	1:1	Yes
eHistory	Recurrence	NOT Values
eHistory.01 - Barriers to Patient Care	1:M	Yes
eHistory.17 - Alcohol/Drug Use Indicators	1:M	Yes
eInjury	Recurrence	NOT Values
eInjury.01 - Cause of Injury	1:M	Yes
eInjury.03 - Trauma Center Criteria	1:M	Yes
eInjury.04 - Vehicular, Pedestrian, or Other Injury Risk Factor	1:M	Yes
eMedications	Recurrence	NOT Values
eMedications.01 - Date/Time Medication Administered	1:1	Yes
eMedications.02 - Medication Administered Prior to this Unit's EMS Care	1:1	Yes
eMedications.03 - Medication Given	1:1	Yes
eMedications.05 - Medication Dosage	1:1	Yes
eMedications.06 - Medication Dosage Units	1:1	Yes
eMedications.07 - Response to Medication	1:1	Yes
eMedications.08 - Medication Complication	1:M	Yes
eMedications.10 - Role/Type of Person Administering Medication	1:1	Yes
eOther	Recurrence	NOT Values
eOther.05 - Suspected EMS Work Related Exposure, Injury, or Death	1:1	Yes
eOutcome	Recurrence	NOT Values
eOutcome.01 - Emergency Department Disposition	1:1	Yes
eOutcome.02 - Hospital Disposition	1:1	Yes

ePatient	Recurrence	NOT Values
ePatient.07 - Patient's Home County	1:1	Yes
ePatient.08 - Patient's Home State	1:1	Yes
ePatient.09 - Patient's Home ZIP Code	1:1	Yes
ePatient.13 - Gender	1:1	Yes
ePatient.14 - Race	1:M	Yes
ePatient.15 - Age	1:1	Yes
ePatient.16 - Age Units	1:1	Yes
ePayment	Recurrence	NOT Values
ePayment.01 - Primary Method of Payment	1:1	Yes
ePayment.50 - CMS Service Level	1:1	Yes
eProcedures	Recurrence	NOT Values
eProcedures.01 - Date/Time Procedure Performed	1:1	Yes
eProcedures.02 - Procedure Performed Prior to this Unit's EMS Care	1:1	Yes
eProcedures.03 - Procedure	1:1	Yes
eProcedures.05 - Number of Procedure Attempts	1:1	Yes
eProcedures.06 - Procedure Successful	1:1	Yes
eProcedures.07 - Procedure Complication	1:M	Yes
eProcedures.08 - Response to Procedure	1:1	Yes
eProcedures.10 - Role/Type of Person Performing the Procedure	1:1	Yes
eProtocols	Recurrence	NOT Values
eProtocols.01 - Protocols Used	1:1	Yes
eProtocols.02 - Protocol Age Category	1:1	Yes
eRecord	Recurrence	NOT Values
eRecord.01 - Patient Care Report Number	1:1	No
eRecord.02 - Software Creator	1:1	No
eRecord.03 - Software Name	1:1	No
eRecord.04 - Software Version	1:1	No
eResponse	Recurrence	NOT Values
eResponse.01 - EMS Agency Number	1:1	No
eResponse.03 - Incident Number	1:1	Yes
eResponse.04 - EMS Response Number	1:1	Yes
eResponse.05 - Type of Service Requested	1:1	No
eResponse.07 - Primary Role of the Unit	1:1	No
eResponse.08 - Type of Dispatch Delay	1:M	Yes
eResponse.09 - Type of Response Delay	1:M	Yes
eResponse.10 - Type of Scene Delay	1:M	Yes
eResponse.11 - Type of Transport Delay	1:M	Yes
eResponse.12 - Type of Turn-Around Delay	1:M	Yes
eResponse.13 - EMS Vehicle (Unit) Number	1:1	No
eResponse.14 - EMS Unit Call Sign	1:1	No
eResponse.15 - Level of Care of This Unit	1:1	No
eResponse.23 - Response Mode to Scene	1:1	No
eResponse.24 - Additional Response Mode Descriptors	1:M	Yes
eScene	Recurrence	NOT Values
eScene.01 - First EMS Unit on Scene	1:1	Yes
eScene.06 - Number of Patients at Scene	1:1	Yes
eScene.07 - Mass Casualty Incident	1:1	Yes
eScene.08 - Triage Classification for MCI Patient	1:1	Yes
eScene.09 - Incident Location Type	1:1	Yes
eScene.18 - Incident State	1:1	Yes
eScene.19 - Incident ZIP Code	1:1	Yes
eScene.21 - Incident County	1:1	Yes

eSituation	Recurrence	NOT Values
eSituation.01 - Date/Time of Symptom Onset	1:1	Yes
eSituation.02 - Possible Injury	1:1	Yes
eSituation.07 - Chief Complaint Anatomic Location	1:1	Yes
eSituation.08 - Chief Complaint Organ System	1:1	Yes
eSituation.09 - Primary Symptom	1:1	Yes
eSituation.10 - Other Associated Symptoms	1:M	Yes
eSituation.11 - Provider's Primary Impression	1:1	Yes
eSituation.12 - Provider's Secondary Impressions	1:M	Yes
eSituation.13 - Initial Patient Acuity	1:1	Yes
eTimes	Recurrence	NOT Values
eTimes.01 - PSAP Call Date/Time	1:1	Yes
eTimes.03 - Unit Notified by Dispatch Date/Time	1:1	No
eTimes.05 - Unit En Route Date/Time	1:1	Yes
eTimes.06 - Unit Arrived on Scene Date/Time	1:1	Yes
eTimes.07 - Arrived at Patient Date/Time	1:1	Yes
eTimes.09 - Unit Left Scene Date/Time	1:1	Yes
eTimes.11 - Patient Arrived at Destination Date/Time	1:1	Yes
eTimes.12 - Destination Patient Transfer of Care Date/Time	1:1	Yes
eTimes.13 - Unit Back in Service Date/Time	1:1	No
eVitals	Recurrence	NOT Values
eVitals.01 - Date/Time Vital Signs Taken	1:1	Yes
eVitals.02 - Obtained Prior to this Unit's EMS Care	1:1	Yes
eVitals.03 - Cardiac Rhythm / Electrocardiography (ECG)	1:M	Yes
eVitals.04 - ECG Type	1:1	Yes
eVitals.05 - Method of ECG Interpretation	1:M	Yes
eVitals.06 - SBP (Systolic Blood Pressure)	1:1	Yes
eVitals.08 - Method of Blood Pressure Measurement	1:1	Yes
eVitals.10 - Heart Rate	1:1	Yes
eVitals.12 - Pulse Oximetry	1:1	Yes
eVitals.14 - Respiratory Rate	1:1	Yes
eVitals.16 - End Tidal Carbon Dioxide (ETCO2)	1:1	Yes
eVitals.18 - Blood Glucose Level	1:1	Yes
eVitals.19 - Glasgow Coma Score-Eye	1:1	Yes
eVitals.20 - Glasgow Coma Score-Verbal	1:1	Yes
eVitals.21 - Glasgow Coma Score-Motor	1:1	Yes
eVitals.22 - Glasgow Coma Score-Qualifier	1:1	Yes
eVitals.26 - Level of Responsiveness (AVPU)	1:1	Yes
eVitals.27 - Pain Scale Score	1:1	Yes
eVitals.29 - Stroke Scale Score	1:1	Yes
eVitals.30 - Stroke Scale Type	1:1	Yes
eVitals.31 - Reperfusion Checklist	1:1	Yes
RESOURCES		
1. NOT Values: NEMSIS v3 Guidance for the use of NOT Values: https://nemsis.org/technical-resources/version-3/version-3-xsd-guides-usage/		
2. Information on requesting Research Data is located here: https://nemsis.org/using-ems-data/request-research-data/		